

INTERNATIONAL SEARCH REPORT

Intern al Application No
PCT/IB2005/050595

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L29/78 H01L29/10 H01L21/336 H01L29/78 H01L29/10 H01L21/336 H01L29/423 //H01L29/739, H01L21/331		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/088364 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; PEAKE, STEVEN, T) 23 October 2003 (2003-10-23) page 10, line 12 - line 13 page 10, line 30 - page 12, line 8; figures 1,2	1-3,8
A	EP 0 717 450 A (MITSUBISHI DENKI KABUSHIKI KAISHA) 19 June 1996 (1996-06-19) column 27, line 29 - column 29, line 46; figures 36-49	1,2,8
A	US 6 534 828 B1 (KOCAN CHRISTOPHER BOGUSLAW) 18 March 2003 (2003-03-18) column 3, line 24 - column 5, line 32; figures 1,4-7	1-3,8
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<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents :</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*G* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">16 August 2005</div>		Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">24/08/2005</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Lantier, R</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 16, 8 May 2001 (2001-05-08) -& JP 2001 024193 A (HITACHI LTD), 26 January 2001 (2001-01-26) abstract; figure 18 -----	4-7
A	US 5 021 846 A (UENO ET AL) 4 June 1991 (1991-06-04) figures 4(a)-(i) -----	8

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Information on patent family members

International Application No
PCT/IB2005/050595

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03088364	A	23-10-2003	AU 2003214585 A1 EP 1500144 A2 WO 03088364 A2	27-10-2003 26-01-2005 23-10-2003
EP 0717450	A	19-06-1996	JP 3307785 B2 JP 8167711 A DE 69510020 D1 DE 69510020 T2 DE 69530232 D1 DE 69530232 T2 EP 0717450 A2 EP 0881692 A2 US 5864159 A	24-07-2002 25-06-1996 08-07-1999 02-03-2000 08-05-2003 05-02-2004 19-06-1996 02-12-1998 26-01-1999
US 6534828	B1	18-03-2003	DE 10145045 A1 FR 2814282 A1 IT MI20011952 A1 JP 2002164542 A NL 1018956 C2 NL 1018956 A1 TW 538533 B	01-08-2002 22-03-2002 19-03-2002 07-06-2002 30-11-2004 21-03-2002 21-06-2003
JP 2001024193	A	26-01-2001	NONE	
US 5021846	A	04-06-1991	JP 2206175 A DE 4003388 A1	15-08-1990 16-08-1990